VERSION WITH MARKINGS TO SHOW CHANGES MADE TO CLAIMS

WHAT IS CLAIMED IS:

1.   (Amended) An image pickup apparatus comprising:

an image pickup [means for picking] device adapted to pick up an image

of an object to output an image signal;

an image processing [means for processing] device adapted to process the

image signal to generate [high] first-resolution image data and [low] second-resolution image

data having a resolution which is not higher than that of the first-resolution image data;

[designation means for outputting designation so as to cause said image

processing means to process the image signals of a plurality of frames;]

a [first] storage [means for storing] control device adapted to store, in a

memory, the [high] first- and [low] second-resolution image data of [the] a plurality of frames

which are obtained by processing the image signals[in accordance with the designation];

[display means for displaying an image;]

a display control [means for displaying] device adapted to display the

[low] second-resolution image data of the plurality of frames stored in said [first storage means]

memory on [said display means] a display screen;

a compression encoding [means for compressing and encoding] device

adapted to compress and encode, at a predetermined compression ratio, the [high] first-resolution

image data of the plurality of frames stored in said [first storage means] memory;

[second storage means for storing] <u>wherein said storage control device</u>

<u>stores</u> the compressed and encoded image data of the plurality of frames <u>in said memory,</u> [;] and

[first selection means for selecting and outputting] <u>outputs a compressed</u>

<u>and encoded</u> image data of a desired frame from the <u>compressed and encoded</u> image data of the

plurality of frames stored in said [second storage means, on the basis of display of said display

means] <u>memory in response to selecting the desired frame.</u>

2.   (Amended) An apparatus according to claim 1, [further comprising third

storage means for storing] <u>wherein said storage device stores</u> the <u>selected</u> image data [selected by

said first selection means] <u>in a non-volatile memory.</u>

3.   (Amended) An apparatus according to claim 1, further comprising

transmission [means for transmitting] <u>device adapted to</u> the <u>selected</u> image data [selected by said

first selection means].

4.   (Amended) An apparatus according to claim 1, wherein [said apparatus

further comprises second selection means for selecting a desired image from the plurality of

images based on the low-resolution image data of the plurality of frames displayed on said

display means, and] said display control [means] <u>device</u> extracts image data corresponding to the

<u>selected</u> image selected [by said second selection means] from the <u>compressed and encoded</u>

image data of the plurality of frames stored in said [second storage means] <u>memory</u> and enlarges

and displays the extracted image data on said display [means] <u>screen.</u>

5. (Amended) An apparatus according to claim 1, wherein said compression encoding [means] device compresses and encodes [again] the selected image data [selected by said first selection means] at a compression ratio different from the predetermined compression ratio and stores the compressed and encoded image data in said [second storage means] memory.

6. (Amended) An apparatus according to claim 1, wherein said image processing [means] device processes the image signal obtained from said image pickup [means] device to generate middle-resolution image data [and stores the middle-resolution image data in said first storage means], and said display control [means] device displays the stored middle-resolution image data on said display [means] screen.